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ABSTRACT

This publication is a guide to films on energy conservation issues. The first section is a film source index which lists the organizations, their addresses and telephone numbers. The main body of the publication lists and describes films. This film listing is organized by topics to which the films relate. Topics include: (1) What is energy?; (2) Sources of energy; (3) Energy issues and options; (4) The energy crisis; (5) Energy conservation; and (6) Energy and the environment. For each film listed a description of its contents and length is given along with the film source. Some of the items listed are film strips and audiovisual materials packages. (MR)

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ENERGY ON FILM

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
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New York State Alliance to Save Energy, Inc.
36 W. 44th Street, New York, New York 10036
(212) 840-8383

E R R A T A

The following Federal Energy Administration films are no longer available from any source:

"A Cap in the Gap"*	Page 15
"Conserving Energy Through Applied Labeling"	Page 15
"The Energy Game"	Page 16
"Waste Heat Management: Energy Utilization for Profit" *	Page 17

*(Available to loan from New York State Energy Office, Educational Services Department.)

A D D E N D U M

"The Buffalo Creek Flood: An Act of Man"
40 minutes, b&w, sale $350, rental $40. In 1972 a giant coal waste dam burst, leaving 124 dead, 4,000 homeless and the Pittston Coal Company calling the disaster "an act of God". The film covers destruction and aftermath and explains what happened and why. Appalshop Films, Inc.

"Coal Miner: Frank Jackson"
12 minutes, b&w, sale $120., rental $20. Jackson is seen in and around the mines as he tells what it's like to have spent a lifetime working underground. Appalshop Films, Inc.

"Stripmining in Appalachia"
25 minutes, b&w, sale $250., rental $35. A powerful examination of the continuing desecration of the land by the stripmining industry. Appalshop Films, Inc.

(over)

Hon. Co-Chairmen:
Senator Jacob K. Javits Senator Daniel Patrick Moynihan
Chairman: Dr. Bernard R. Gifford Executive Director: Richard M. Berman

A D D E N D U M

(cont'd)

"The New Mexico Passive Solar Buildings"
a 13-1/2 minute, semitechnical film, is available from the Technical Information Center, Department of Energy, P. O. Box 62, Oak Ridge, Tennessee 37830.

"Energy: A National Issue"
27 minutes, color, sale $385.00, rental $50.00 (1-3 days). The problem of a decreasing energy supply is made clear in this film starring the popular animated TV characters, Fred and Wilma Flintstone. Narrated by Charlton Heston. From the Center for Strategic and International Studies, Georgetown University.

ABOUT THE AUTHOR

The New York State Alliance to Save Energy is a statewide, non-profit organization principally concerned with "popularizing" the discussion of energy and conservation. State Alliance projects include: production of an energy conservation series for TV featuring the STAR WARS character R2D2; publication of a comprehensive energy organization directory and bibliography in cooperation with Consumer Action Now; establishment of a write-in information center to respond to consumer energy inquiries such as those relating to home weatherization, money-saving conservation tips and sources of funds; planning and participation in Sun Day 1978; and development of a community speakers bureau.

The New York State Alliance is a non-profit group and, as such, is dependent upon the public for financial support. Contributions are tax-deductible and may be sent to:

New York State Alliance to Save Energy
36 West 44th Street, Room 709
New York, New York 10036
Tel: (212) 840-8383

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INTRODUCTION

ENERGY ON FILM is intended to serve as a convenient digest of energy related films. It has been divided into six parts, including What Is Energy? Sources of Energy, Energy Issues and Options, The Energy Crisis, Conserving Energy and Energy and the Environment.

The digest includes more than 160 films; they are each described in brief; source, audience level, second language, cost and length are listed (where available). It is not, however, meant to be exhaustive. Rather, the digest is designed to present a cross section of visual materials about energy and the reader is encouraged to contact the sources listed for the titles of additional films which may also be available.

ENERGY ON FILM attempts to be an objective sampling of "what is" rather than "what should be". Thus, while the author's personal view is that greater emphasis ought to be placed upon soft or appropriate technologies, renewable resources and conservation in fashioning our national energy policy, we have included also in the digest films about nuclear power, offshore oil drilling and fossil fuels. The film sources are also diverse and include educational television, oil companies, environmentalists, utilities and government agencies. The reader is encouraged to pick and choose among the titles as he or she sees fit.

Richard M. Berman
Executive Director
New York State Alliance
to Save Energy

ACI MEDIA INC.
Sales Department, 5451 Marathon Street, Hollywood, California 90038; (213) 463-0100

AMERICAN GAS ASSOCIATION
1515 Wilson Boulevard, Arlington, Virginia 22209; (703) 524-2000

AMERICAN PETROLEUM INSTITUTE
2101 L Street, N.W., Washington, D.C 20037; (202) 457-7000. Write for film program catalogue.

ASSOCIATION FILMS, INC.
866 Third Avenue, New York, New York 10022; (212) 935-4210

ATOMIC INDUSTRIAL FORUM, Audiovisual Department
7101 Wisconsin Avenue, Washington, D.C. 20014; (301) 654-9260

ARTHUR C. BARR FILMS, Purchasing Department
3490 East Foothill Boulevard, Pasadena, California 91107; (213) 793-6153

AUTOMATION HOUSE (CHANNEL L)
49 East 68th Street, New York, New York 10021; (212) 628-1010, extension 37

BFA EDUCATIONAL MEDIA
2211 Michigan Avenue, P.O. Box 1795, Santa Monica, California 90406; (213) 829-2901

BRITISH PETROLEUM OF NORTH AMERICA, INC., Public Affairs Department
620 Fifth Avenue, New York, New York 10020; (212) 399-0668

BROOKLYN UNION GAS COMPANY, Office of Public Relations
195 Montague Street, Brooklyn, New York 11201; (212) 643-2000

BRUCE BITTLE PRODUCTIONS
Box 481, Creswell, Oregon 97426; (503) 895-2297

BUREAU OF MINES MOTION PICTURES, Film Library
4800 Forbes Avenue, Pittsburgh, Pennsylvania 15213; (412) 621-4500

CBS, INC. See BFA Educational Media.

CHURCHILL FILMS
662 North Robertson Boulevard, Los Angeles, California 90069; (213) 657-5110

CONSOLIDATED EDISON COMPANY OF NEW YORK, Office of Consumer Affairs
4 Irving Place, New York, New York 10003; (212) 460-5171

CONSUMER ACTION NOW'S COUNCIL ON ENVIRONMENTAL ALTERNATIVES
355 Lexington Avenue, New York, New York 10017; (212) 682-8915

CORONET INSTRUCTIONAL MEDIA
65 E South Water Street, Chicago, Illinois 60601; (312) 977-4000

COUNSELOR FILMS, INC.
2100 Locust Street, Philadelphia, Pennsylvania 19103; (212 732-9191

DOCUMENT ASSOCIATES
880 Third Avenue, New York, New York 10022; (212) 593-1647

DONOVAN FILMS
44 Treat Road, Box 309, Glastonberry, Connecticut 06033; (203) 633-9331

EDISON ELECTRIC INSTITUTE, Manager of Public Relations Projects
Public Information Department, 90 Park Avenue, New York, New York 10016; (212) 573-8741

EDUCATIONAL DESIGN, INC.
47 West 13th Street, New York, New York 10011; (212) 255-7900

EDUCATIONAL MATERIALS AND EQUIPMENT
46 Lafayette Avenue, New Rochelle, New York 10801; (914) 576-1121

EDUCATIONAL MEDIA CENTER. See University of Colorado.

ENCYCLOPEDIA BRITANNICA EDUCATIONAL COMPANY
425 North Michigan Avenue, Chicago, Illinois 60611; (312) 321-6800

ERDA FILM LIBRARY. See U.S. Department of Energy.

FILMS, INC.
1144 Wilmette Avenue, Wilmette, Illinois 60091; (312) 256-4730

GENERAL MOTORS FILM LIBRARY
3044 West Grand Boulevard, Detroit, Michigan 48202; (313) 556-2072

INQUIR[illegible] AUDIO VISUAL, Sales Division
1754 West Farragut Avenue, Chicago, Illinois 60640; (312) 561-9200, ext 65 or 68

INTERNATIONAL FILM BUREAU
332 South Michigan Avenue, Chicago, Illinois 60604; (312) 427-4545

KERR-MC GEE CORPORATION, Audiovisual Department
P.O. Box 25861, Oklahoma City, Oklahoma 73125; (405) 270-3924

KING FEATURES, Educational Film Division
235 East 45th Street, New York, New York 10017; (212) 682-5600

W. J. KLEIN COMPANY, LTD., Distribution Department
6301 Carmel Road, Charlotte, North Carolina 28211; (704) 542-1403

THE LANE COUNCIL OF GOVERNMENTS
Lane County Courthouse, Eugene, Oregon 97401; (503) 687-4283

MC GRAW-HILL FILMS
1221 Avenue of the Americas, New York, New York 10020; (212) 997-3276

MEDIA GUILD INC.
1180 South Acacia Street, Solana, California 92075; (714) 755-9191

MODERN TALKING PICTURE SERVICE, INC.
2323 New Hyde Park Road, New Hyde Park, New York 11040; (516) 437-6300

MONUMENTAL FILMS, INC.
2160 Rockrose Avenue, Baltimore, Maryland 21211; (301) 462-1550 or (301) 823-7156

NATIONAL AUDIOVISUAL CENTER, General Services Administration
Washington, D.C. 20409; (301) 763-1896

NATIONAL FILM BOARD OF CANADA
1251 Avenue of the Americas, New York, New York 10020; (212) 586-2400

NATIONAL GEOGRAPHIC SOCIETY, Educational Services Department
17th and M Streets, N.W., Washington, D.C. 20036; (202) 857-7000, ext. 1330 or 1331

NEW YORK STATE ALLIANCE TO SAVE ENERGY
36 West 44th Street, New York, New York 10036; (212) 840-8383

PERRENIAL EDUCATION, INC.
477 Roger Williams, P.O. Box 855, Ravinia, Highland Park, Illinois 60035; (312) 433-1610

PRENTICE-HALL CO., Customer Service Department
151 White Plains Road, Tarrytown, New York 10591; (914) 631-8300

PRISM ENTERPRISES, INC.
531 Dawson Drive, Camarillo, California 93010; (805) 484-1073

RAMSGATE FILMS
704 Santa Monica Boulevard, Santa Monica, California 90401; (213) 394-8819

RHR FILMEDIA, INC.
1212 Avenue of the Americas, New York, New York 10036; (212) 869-9540

SCREEN NEWS DIGEST
235 East 45th Street, New York, New York 10017; (212) 682-7690, ext. 391

SHELL FILM LIBRARY
1433 Sadlier Circle W. Drive, Indianapolis, Indiana 46239; (317) 291-7440

STUART FINLEY, INC.
3428 Mansfield Road, Falls Church, Virginia 22041; (703) 820-7700

SYRACUSE UNIVERSITY*, Film Rental Service
1455 East Colvin Street, Syracuse, New York 13210; (315) 479-6631

TIME-LIFE MULTIMEDIA Distribution Center
100 Eisenhower Drive, Paramus, New Jersey 07652; (201) 843-4545

U.S. DEPARTMENT OF COMMERCE, Office of Energy Programs
Room 3011, Washington, D.C. 20230; (202) 377-3040

U.S. DEPARTMENT OF ENERGY, ERDA FILM LIBRARY
Technical Information Center, P.O. Box 62, Oak Ridge, Tennessee 37830; (615) 483-8611, ext. 34161

*The reader is advised to contact universities other than those listed herein for additional energy film catalogues which may be available.

U.S. GEOLOGICAL SURVEY, Branch of Visual Services
303 National Center, Reston, Virginia 22092; (703) 860-6171

UNIVERSITY OF COLORADO EDUCATIONAL MEDIA CENTER*
Stadium Building, Boulder, Colorado 80309; (303) 492-7341

UNIVERSITY OF SOUTHERN CALIFORNIA*, Film Distribution Center
Division of Cinema, University Park, Los Angeles, California 90007; (213) 741-2238

WNET/13 MEDIA SERVICES
356 West 58th Street, New York, New York 10019; (212) 262-4244

XEROX EDUCATIONAL FILMS
245 Long Hill Road, Middletown, Connecticut 06457; (203) 347-7251

FILMS

I. WHAT IS ENERGY?

ENERGY – Award winning film describing the fundamental role of energy in all physical processes. For junior and senior high school. 16 mm, color, 14 mins. $195 purchase; $18 rental. BFA Educational Media.

ENERGY: A FIRST FILM – Introduces basic concepts of energy. 16 mm, color, 8 mins. $125 purchase; $15 rental. BFA Educational Media.

ENERGY AND ITS FORMS – Introduces basic concepts of energy including nuclear power; special attention is paid to the relationship between energy and fuel. For intermediate to junior high school. 16 mm, color, 10½ mins. $160 purchase. Coronet Instructional Media.

ENERGY AND WORK – Illustrates the technical aspects of energy and its relation to work and motion. For intermediate to junior high school. 16 mm, color, 11 mins. $150 purchase; $12 rental for three days. Encyclopedia Britannica Educational Company.

ENERGY FOR MAN – A set of four filmstrips tracing the development of fuel since 1850 and offering solutions to modern energy shortages. Titles include: "A History of Man's Use of Energy"; "Food and Energy"; Energy at Home and at Work"; "Energy and Our Future". For junior high school to college. Four filmstrips, color, 56 frames each. $68 with cassette; $56 with record. BFA Educational Media.

ENERGY: TYPES AND CONSIDERATIONS – A set of two filmstrips, entitled "Making It Go" and "Using It", which explains the history of energy use and some basic principles of power generation. For primary to intermediate. 35 mm filmstrip, color, 12½ mins. $50 with teacher's guide, records or cassette. Prentice-Hall Company.

THE LEADING EDGE – Demonstrates how one company uses oil, gas, uranium and coal in meeting demands for power. 16 mm, color, 28 mins. Kerr-McGee Corporation.

THE SCIENCE OF ENERGY – A series of ten films concerned with the technology of energy use and development. Stuart Finley, Inc.

WE USE POWER – Experiments and questions concerning wind, steam, electricity, gasoline and diesel and jet engines. Produced for elementary school in 1970. 16 mm, color, 11 mins. Available with study guide. $140 purchase; $15 rental for 3 days. Churchill Films.

WHAT IS ENERGY? – An animated character, Energy Ant, describes energy development and use. For elementary grades. 35 mm, color, 10¼ mins. Text and workbook available. Set of two strips $12.50 purchase. National Audiovisual Center, General Services Administration.

ELECTRICAL ENERGY: A PRIMER – Introduction to electricity, where it comes from, how it is produced and transmitted and projections about future needs and resources. For elementary grades. 16 mm, color, 16 mins. $225 purchase. King Features.

ELECTRICITY: THE WAY IT WORKS – Basic explanation of the generation, distribution and use of electricity. 16 mm, color, 16 mins. $275 purchase. Screen News Digest (Produced in conjunction with Edison Electric Institute).

EXPLORING ELECTRICAL ENERGY – Tour of a modern electric power generating plant. Produced by utility companies for junior to senior high school. 16 mm, color, 18 mins. $200 purchase. Donovan Films.

HOW THE LITTLE LIGHT BULB GETS ITS JUICE – Animated film about how electricity is generated, transmitted and distributed in homes. For elementary to intermediate. 16 mm, color, 5 mins. Free loan from Consolidated Edison Company; contact local office.

MR. EDISON'S DILEMMA – Discusses economic factors of supplying electric energy, including production costs, distribution and capital requirements. 16 mm, color, 18 mins. $150 purchase. Edison Electric Institute.

MEASURING ELECTRICITY – Explains and demonstrates how to read a variety of electrical meters. 159 color slides with sound. Includes teacher's manual. $99 purchase. Educational Design, Inc.

TURN A HANDLE, FLICK A SWITCH – This animated film explains where water, gas and electricity come from and how they reach our homes. Produced in 1972 for elementary to intermediate. 16 mm, color, 11 mins. Simple experiment included; available with study guide. $155 purchase; $15 rental for three days. Churchill Films.

THE WIZARD WHO SPAT ON THE FLOOR: THOMAS ALVA EDISON – The life and work of the man who invented the light bulb. Produced in 1974 for high school to adult. 16 mm or videocassette, color, 60 mins. $635 film ($445 videocassette) purchase; $65 rental. Time-Life Multimedia.

ABC OF THE AUTOMOBILE ENGINE; ABC OF THE DIESEL ENGINE – These two films explain the basic operating principles of internal combustion and diesel engines, respectively. Produced in 1977. Each film is 16 mm, videocassette, color, 15 mins. Free loan. General Motors Film Library.

II. SOURCES OF ENERGY

GENERAL SOURCES

ENERGY SOURCES – This series explores alternative ways to produce power. It includes the following films: "Fossil Fuels", "Hydroelectricity", "Engines and Turbines", "Fission", "Batteries and Fuel Cells", "Geothermal Power", "Fusion", and "Wind, Waves and Sun". For junior to senior high school. Filmstrips, color, 34 frames each. Series with cassette $120 purchase; with records $104 purchase. BFA Educational Media.

ENERGY ALTERNATIVES – Explanation of what energy is and why problems of scarcity and pollution necessitate turning to alternative forms of energy. There is a discussion of ocean waves, currents and tides, wind power and earth heat, waste as a source of energy and the advantages and problems of alternatives to fossil fuel. Includes study guide and two other films, "Solar Energy" and "Nuclear Energy". $60 purchase. Educational Materials and Equipment.

WHICH ENERGY? – Discussion and comparison of traditional and alternative energy sources. Includes visits to wind turbines, solar heated homes and nuclear plants. Introduces a ten film series entitled, "The Science of Energy". For junior high school to adult. 16 mm, color, 23 mins. Includes study guide and activity plans. $350 purchase; $35 rental. Stuart Finley, Inc.

POWER WITHOUT END – A look at the inexhaustible sources of energy and what scientists are doing to harness them for home and commercial use. The film includes visits to a geothermal plant, water mills, hydroelectric dams, a windmill and solar buildings. Produced in 1975 for elementary to high school. 16 mm, color, 16 mins. $270 purchase. Xerox Educational Films.

THE FOSSIL STORY – Describes the science of deciphering fossil remains to locate energy sources. Introduction to the geological aspects of energy exploration. 16 mm, color, 19 mins. Produced by Shell Oil Co. Loaned free of charge. Shell Film Library.

TREASURES OF THE EARTH – Describes mineral formation, the accumulation of oil and the sources of coal deposits. Produced in 1974 for elementary to junior high school. 16 mm, color, 14½ mins. With study guide. $200 purchase; $18 rental for three days. Churchill Films.

ENERGY REALITIES – Various energy sources, including the sun, wind, tides and nuclear power, are discussed. 16 mm, color, 22 mins. $135 purchase. Edison Electric Institute.

ENERGY: NEW SOURCES – The potential and limits of new technology – solar, nuclear and geothermal – are reviewed. For junior high to adult. 16 mm, color, 20 mins. With study guide. Available in Spanish. $280 purchase; $21 rental for three days. Churchill Films.

OIL

BORN IN FREEDOM – Historical study of the first (1859) successful oil well starring Vincent Price. Produced in 1954. 16 mm, color, 26 mins. $85 purchase. Free loan from the American Petroleum Institute.

THE BOTTOM OF THE OIL BARREL – Visits to various parts of the world where scientists are trying to locate new oil deposits or to stretch out existing resources. Produced by the British Broadcasting Corporation for junior high school to adult. 16 mm or video, color, 34 mins. With discussion guide. $425 film purchase; $300 video purchase; $40 rental. Time-Life Multimedia.

THE MAGIC OF REFINING – A look at oil, including what it is and how we use it. Created by Hanna-Barbera Studios for Gulf Oil Co. 16 mm, color, 12 mins. Loaned free of charge to schools and groups by Modern Talking Picture Service, Inc.

OIL IN THE UNITED STATES – Presents the historical background and a discussion of modern problems of oil production and distribution in the United States. Analyzes the causes of the energy shortage. Produced as part of the NBC Energy Crisis Series in 1973 for junior high school to adult. 16 mm, color, 37 mins. $445 purchase; $38 rental. Films, Inc.

OIL – A brief survey of the workings of the oil industry, including how oil is located, trapped and transported. Produced by Shell Oil Co. 16 mm, color, 18 mins. Loaned free of charge by the Shell Film Library.

PRODUCING OIL – A basic explanation of what is required to get oil and gas out of the ground and into the pipelines. Environmental considerations are stressed. 16 mm, color, 25 mins. $300 purchase. American Petroleum Institute.

THE END OF THE ROAD – The story of man's search for oil in the region beyond the Arctic Circle. Produced by British Petroleum of North America. 16 mm, color, 23 mins. Loaned free of charge by Modern Talking Picture Service, Inc.

OFFSHORE: THE SEARCH FOR OIL AND GAS – This film describes the search, the equipment and the risks involved in offshore drilling. Efforts to preserve and restore ocean environments are discussed. Produced by Exxon for 7th grade and above. 16 mm, color, 18 mins. Loaned free of charge by Modern Talking Picture Service, Inc.

OIL WELL – The principles and difficulties involved in drilling for oil are discussed and special attention is paid to the measures taken to prevent accidental explosions or pollution. Animation is used to depict drilling processes both on land and offshore. Produced by Shell Oil Co. 16 mm, color, 21 mins. Loaned free of charge by the Shell Film Library.

SUPERPORT – Examines offshore oil drilling in Ireland and the efforts to restore and preserve the beauty of the Port of Bantry, Ireland. Produced by Gulf Oil Co. 16 mm, color, 12 mins. Loaned free of charge by Association Films, Inc.

SEA AREA FORTIES – Looks at the development of the North Sea oil fields, a major source of supply of European oil. 16 mm, color, 29 mins. Free loan by British Petroleum of North America, Inc.

SOLAR

COPING WITH TOMORROW: SOLAR ENERGY – Explains how the oldest provider of heat and energy – the sun – has become a modern day source of power. The film emphasizes the ecological advantages of solar and other natural power. For high school. 16 mm, color, 20 mins. $340 purchase; $35 rental/day. ACI Media, Inc.

HARNESSING SOLAR ENERGY – This film concentrates on the sun as a renewable source of energy which, it explains, can be used to charge batteries, cook food and heat homes. Photosynthesis is also described. The film is part of a high school series entitled, "Power Sources of the Future." 35 mm filmstrip, color, 45 frames. $7.50 for single film purchase; $13.50 series purchase. Inquiry Audio Visual.

HERE COMES THE SUN – The various kinds of solar equipment are examined and the experiences of school communities in learning how their solar buildings are run are reviewed. Produced in 1974 for high school. 16 mm, color, 15 mins. Free loan from U.S. Department of Energy, ERDA Film Library.

LOOK TO THE SUN – An historical review of solar energy projects and a look at those planned for the future. Professionals across the country discuss the costs, financing procedures, hardware and construction of solar projects. Produced in 1977 for high school to adult. 16 mm, color, 12½ mins. Free loan from U.S. Department of Energy, ERDA Film Library.

PROJECT SAGE – This film documents the installation of solar collectors and appropriate piping to supply hot water to a small apartment complex in Southern California. 8 mm, 16 mm, color, 8½ mins. $98 purchase from Madison Films, Inc. Loaned free from U.S. Department of Energy, ERDA Film Library.

PUTTING THE SUN TO WORK – A scientist uses his own home to demonstrate how solar energy can be captured and used effectively. Produced in 1974. 16 mm, color, 5 mins. Free loan from U.S. Department of Energy, ERDA Film Library.

SOLAR ENERGY: READY WHEN YOU ARE – An up-to-date look at the viability of solar energy in contemporary residential and commercial buildings. 35 mm slides, color, sound, 16 mins. $28 purchase. National Audiovisual Center, General Services Administration.

ENERGY SLIDE SHOW – Emphasis is on the use of renewable energy sources. There is also a presentation of background material on the energy shortage and conservation. The show is suitable as an introduction to energy issues and can be adapted for more technically oriented audiences. 120 slides, 30 mins. Producer will provide narrator and discussion leader in exchange for honorarium and travel expenses. Consumer Action Now's Council on Environmental Alternatives, Inc.

SOLAR GENERATION – Examination of the history of solar energy use, beginning with Archimedes' use of the sun to burn the sails of an attacking fleet, and explanation of the future possibilities through solar research, including the solar cell. Produced in 1976 for junior to senior high school. 16 mm, color, 21 mins. $350 purchase; $35 rental. Stuart Finley, Inc.

SOLAR POWER: THE GIVER OF LIFE – Traces the advancements and difficulties involved in harnessing solar power from ancient eras to modern times. The underlying question is whether we are ready to rely on the sun for our future energy needs. For high school to adult. 16 mm, videocassette, filmstrip, color, 29 mins. $330 film purchase; $230 videocassette purchase; $10-$30 rental. University of Colorado Educational Media Center.

THE SUN'S ENERGY – This film depicts direct and indirect uses of the sun, i.e., as energy for solar cells, heaters and cooking devices, and to grow our food. 35 mm filmstrip, color, 14 mins. With record or cassette and teacher's guide. $27 purchase. Prentice-Hall Company.

SUN POWER FOR FARMS – To increase the world's food supply, farmers have been experimenting with solar heated green houses, poultry and milk parlors, solar storage ponds and with using solar power to dry and cure peanuts and corn. Includes visits to some innovative project sites. For high school to adult. 16 mm, color, 12½ mins. Free loan from U.S. Department of Energy, ERDA Film Library.

THE SUNBEAM SOLUTION – Solar space heating equipment, with orbiting power stations and ground receptors, poses a "bright" solution to our serious fossil fuel shortage. Alternative energy sources such as wind, geothermal and tidal power are also mentioned. Produced in 1974 for junior high to adult. 16 mm or video, color, 38 mins. With study guide. $425 for 16 mm purchase; $300 for video purchase; $40 rental. Time-Life Multimedia.

SWITCH ON THE SUN – Presents an explanation of the view that solar energy is the most feasible solution to the shortage of fossil fuel supplies. There is also a discussion of how solar equipment is currently being used and options for future development. For primary to senior high. 16 mm, color, 15 mins. $225 purchase. Xerox Educational Films.

GEOTHERMAL

GEOTHERMAL POWER: THE GREAT FURNACE – This film traces the historical uses of geothermal power beginning with the hot baths of ancient Rome. It includes a discussion of the economic and physical reliability of geothermal energy as a major source of power. Produced in 1974 as part of the "Energy Sources: A New Beginning" series. 16 mm, videocassette, filmstrip, color, 29 mins. With study guide. $330 film purchase; $230 video purchase; $15 filmstrip and cassette purchase; $10-$15 rental. University of Colorado Educational Media Center.

ICELAND: HOW CLEAR THE HOT SPRINGS BUBBLE – The environmental advantages of this natural energy source are stressed along with a demonstration of practical application of geothermal energy. 16 mm, color, 13 mins. $160 purchase; $10 rental/day. International Film Bureau; also available from Syracuse University.

POWER FROM THE EARTH – Scientists and engineers explain how the earth's thermal energy in the forms of steam, water and hot rocks can be used to produce electric power. Produced in 1974 for high school to adult. 16 mm, color, 12½ mins. Free loan from U.S. Department of Energy, ERDA Film Library.

WIND

WIND POWER: THE GREAT REVIVAL – Renewed interest in windmills and wind generators in Colorado is the subject of this film. Information on the costs and storage problems of wind energy and appropriate design of buildings to capture the wind is included. For high school to adult. 16 mm film, video, filmstrip, color, 29 mins. $330 film purchase; $230 videocassette purchase; $15 filmstrip and audiocassette purchase; $11-$30 rental; $1.75 for study guide. University of Colorado Educational Media Center.

NATURAL GAS

NATURAL GAS – This film discusses the political aspects of the natural gas shortage; it concludes that the crisis is real rather than created and that the Country's resources are being rapidly depleted. It also explains how Americans have become dependent on natural gas because it is an efficient, clean, and hitherto inexpensive source of energy. Produced in 1973 as part of the NBC Energy Crisis series for junior high through adult audiences. 16 mm, color, 17 mins. $240 purchase; $20 rental. Films, Inc.

A HISTORY OF NATURAL GAS – Animated film depicts steps involved in the discovery and production of gas. For primary to intermediate. 16 mm, color, 7½ mins. Study guide included. $25 purchase. American Gas Association.

KEEPERS OF THE FLAME – The story of Con Ed's gas operations. 16 mm, color, 20 mins. Free loan to youth groups in Con Ed's gas territory. Consolidated Edison Company of New York.

LIQUID NATURAL GAS – The conversion of natural gas to a liquid through freezing and condensation is explained. Also included is a discussion of the use of liquefied natural gas in cars. 16 mm, color, 15 mins. Free loan by Brooklyn Union Gas Co.

LIQUEFIED NATURAL GAS: IT'S ON ITS WAY – The process of importing liquid natural gas from Algeria is discussed; ecological safety and energy conservation are emphasized. Produced by El Paso Oil Co. for school and business groups. 16 mm, color, 22 mins. Loaned free of charge to schools and groups by Modern Talking Pictures Service, Inc.

CLEAN ENERGY FOR TODAY AND TOMORROW – Hugh Downs narrates this industry story of the role natural gas plays in meeting energy needs. 16 mm, color, 27 mins. $125 purchase. American Gas Association.

NATURAL GAS: ENERGY GOING TO MARKET – The processes of transporting and storing natural gas are explained. For junior high school. 16 mm, color, 10 mins. Available with study guide. $50 purchase. American Gas Association.

NATURAL GAS: FLOWING ENERGY – This is a film about the application of scientific principles to the system of gas distribution. It explains the function of gas meters, compressors, regulators and the odorant additives in gas. 16 mm, color, 10 mins. With study guide. $55 purchase. American Gas Association.

NATURAL GAS: TODAY AND TOMORROW – Slide show which covers the technology and economics involved in production of natural gas and gives projections for future supplies of this fuel. 35 mm, color, 15 mins. Script plus 79 slides. $60 purchase. American Gas Association.

MIRRORS OF TIME – The setting of this film is a research vessel engaged in exploring the ocean's floor to locate new gas and oil deposits. 16 mm, color, 25½ mins. Produced by Gulf Oil. Loaned free of charge by Association Films, Inc.

THE STORY OF NATURAL GAS ENERGY – Traces the steps of natural gas development from exploration to commercial use. For grades 6 through 9. 16 mm, color, 10 mins. Free of charge to school teachers in most areas. American Gas Association.

COAL

THE ENERGY BRIDGE – This film suggests the use of coal supplies to bridge the energy resource gap. Produced by Gulf Oil. 16 mm, color, 21 mins. Free loan by Association Films, Inc.

THE SLEEPING GIANT: COAL – Describes the formation of coal and the uses of coal throughout history. A discussion of coal gassification and the drawbacks of strip mining is included. For adult audiences. 16 mm, color, videocassette, 29 mins. With study guide. University of Colorado Educational Media Center.

THERE'S COAL IN THEM THERE HILLS – An episode from CBS TV's 60 Minutes Program describing the conflict between food and energy producers in Montana. It includes interviews with ranchers who have been ruined by large scale strip mining. Produced in 1976 for high school to adult. 16 mm, video, color, 20 mins. With study guide. $260 film purchase; $185 video purchase; $25 rental. Time-Life Multimedia.

WESTERN COAL: AN AMERICAN DILEMMA – A documentary which examines the conflict between economic stimulation provided by mining and the environmental and health hazards involved in coal production. Produced in 1976 for junior high to adult. 16 mm, color, 21 mins. With study guide. $295 purchase; $21 rental for three days. Churchill Films.

FUTURE FUELS – Spurred by the energy crisis, scientists are working on projects like coal gassification and extraction of oil from shale. This film also depicts experiments with wind power, underground steam, nuclear power, and solar energy. Produced in 1973 as part of the NBC Energy Crisis Series for junior high to adult audiences. 16 mm, color, 17 mins. $240 purchase; $20 rental. Films Inc.

NUCLEAR

THE NUCLEAR DILEMMA – Nuclear reactors are considered by some to be part of the solution to the energy crisis, but, as this film explains, there are still many unresolved questions about safety standards and environmental implications for the future. Both sides of the nuclear debate are presented. Produced in 1974 for junior high to adult. 16 mm, videocassette, color, 40 mins. With study guide. $450 film purchase; $315 videocassette purchase; $45 rental. Time-Life Multimedia.

FUSION: THE ELECTRIC AND INFINITE FUTURE – The instability of the fusion process, the negative effects of nuclear heat and the cost of equipment are some arguments posed against nuclear energy in this documentary. Arguments in favor are also presented as scientists explain why they believe nuclear energy is a viable alternative to overcoming the energy crisis. For adults. 16 mm, color, 20 mins. $300 purchase; $40 rental. Document Associates.

NUCLEAR POWER: PRO AND CON – The environmental and social issues associated with the use of nuclear power are explored as part of the ABC News Close-Up Series. For high school to adult. 16 mm, color, 2 parts, 25 mins. $385 per part purchase; $725 set purchase; $40 rental. McGraw-Hill Films.

NUCLEAR REACTOR SAFETY: AN OVERVIEW – The Chairman of the nuclear energy department at Massachusetts Institute of Technology discusses reactor safety, risk benefit considerations, insurance problems, and other nuclear energy issues. Videocassette, color, 20 mins. $150 purchase. Atomic Industrial Forum.

NUCLEAR ALTERNATIVES – This film examines the production of nuclear energy and the questions about safety and radioactivity. Produced in 1974 for high school to adult. 16 mm, color, 20 mins. $280 purchase; $21 rental for 3 days. Churchill Films.

ATOMIC POWER TODAY – This film contrasts conventional and nuclear generating technologies; it shows how a nuclear plant is built and operated and explains safeguards and nuclear regulatory and licensing procedures. 16 mm, color, 15 mins. U.S. Department of Energy, ERDA Film Library (ERDA Film #0410).

THE ULTIMATE ENERGY – The purpose of this film is to explain the complex process of thermonuclear fusion. Methods of "imitating the sun" are discussed as is laser technology used in fusion experiments. Included are visits to five major fusion labs. For high school and general audiences. 16 mm, color, 28 mins. Free loan from U.S. Department of Energy, ERDA Film Library (ERDA Film #0509).

THE BREEDER REACTOR – This film suggests there should be a role for the liquid fast breeder reactor in future energy policy. For adults. 73 slides, color, 20 mins. $25 purchase. Atomic Industrial Forum.

ENERGY: THE NUCLEAR ALTERNATIVE – Explores the meaning of fission power and the controversy over the disposal of radioactive waste. Produced in 1974 for junior high to adult. 16 mm, color, 20 mins. With study guide. $280 purchase; $21 rental for 3 days. Churchill Films.

LEARNING ABOUT NUCLEAR ENERGY – Demonstrates the exact changes in nuclear materials responsible for power generation. Fusion and fission reactions are simulated, explained and contrasted. For intermediate to junior high. 16 mm, color, 15 mins. $220 purchase; $14 rental for 3 days. Encyclopedia Britannica Educational Company.

NUCLEAR POWER: AN INTRODUCTION – A University of Texas professor discusses nuclear generation of electricity, including the various reactor systems, their major components and the safety elements built into nuclear power plants. For adults. 16 mm or videocassette, 18 mins. $200 film purchase; $150 videocassette purchase. Atomic Industrial Forum.

NUCLEAR POWER INSIDE AND OUT – How nuclear power is created, including a look at the fission process and different types of reactors. For adults. 20 slides with captions, color. $60 purchase. Atomic Industrial Forum.

NUCLEAR POWER: QUESTIONS AND ANSWERS – This film uses a question and answer format and the personality of TV's Mr. Wizard to explain nuclear power. For high school to adult. 16 mm, color, 28 mins. $260 purchase. Prism Enterprises Inc.

ON THE MOVE – A film about packaging and shipping radioactive materials. Explains the precautions taken with radioactive material in contrast with those pertaining to other flammable fuels such as gas. Produced in 1974 for college and technical audiences. 16 mm, color, 28 mins. Free loan from U.S. Department of Energy, ERDA Film Library (ERDA Film #0496).

OTHER POSSIBILITIES

COPING WITH TOMORROW: SUPERCONDUCTORS – TOMORROW'S ENERGY BREAKTHROUGH – Introduction to new power generators which promise to be pollution free and to serve mass transportation. Produced in 1975 for high school to adult. 16 mm, color, 20 mins. $330 purchase; $35/day rental. ACI Media Inc.

NATURAL GAS FUEL CELL – The fuel cell is presented as one possible solution to the search for non-polluting energy sources. 16 mm, color, 20 mins. Free loan from Brooklyn Union Gas Company.

OIL SHALE: THE ROCK THAT BURNS – Investigates the controversial issues involved in mining shale, including ecological damage, expense, impact on population growth. The film also explains the technology involved in mining, extraction and conversion of shale. For high school to adult. 16 mm, video, filmstrip, color, 29 mins. $333 film purchase; $230 videocassette purchase; $15 filmstrip purchase; $1.75 for study guide. University of Colorado Educational Media Center.

TAR SANDS: FUTURE FUELS – The economic and ecological feasibility of developing bitumen oil from tar sands is discussed. For high school to adult. 16 mm, video, filmstrip, color, 27 mins. $333 film purchase; $230 videocassette purchase; $15 filmstrip with audiocassette purchase; $11-$30 rental; $1.75 for study guide. University of Colorado Educational Media Center.

III. ENERGY ISSUES AND OPTIONS

ENERGY: THE FACTS . . . THE FEARS . . . THE FUTURE – A comprehensive overview which discusses the causes and ramifications of, and possible solutions to, the energy crisis. Condensed from a CBS News Production anchored by Walter Cronkite. Produced in 1977. 16mm; color; approx. 60 minutes. Preview, purchase and rental. BFA Educational Media.

DON'T CUT US OFF – This film documents the efforts of four American communities to solve the problem of the high cost of energy as it affects the poor and elderly. 16 mm, color, 16 mins. Loaned free of charge from Modern Talking Picture Service, Inc.

SWEAT EQUITY – How windmill and solar energy collectors were installed by New York City residents in a low income tenant-owned building. Episode from public TV's news discussion show entitled the MacNeil-Lehrer Report. Videocassette and reel to reel, color, 30 mins. $245 purchase. WNET/13 Media Services.

ENERGY: CHOICES, OPTIONS AND DECISIONS – Talks about the process of developing an energy policy that will best serve the public good and our national interests. For junior high. 16 mm, color, 14 mins. $175 purchase. King Features.

ENERGY: THE AMERICAN EXPERIENCE – The historical relationship between the growth of the American economy and industry and the forms of energy used. The work of ERDA and future developments in the field of energy are discussed. Produced in 1975 for all ages. 16 mm, color, 28½ mins. Loaned free of charge from U.S. Department of Energy, ERDA Film Library (ERDA Film #0507).

ENERGY: CAN'T DO WITHOUT IT – An explanation of our Country's dependence on fossil fuels and how public policy is affected by this dependence with regard to the Middle East and Alaska. It concludes that Americans must become efficient energy consumers and find new sources for energy production. Produced in 1974 for junior high. 16 mm or videocassette, color, 14 mins. $225 purchase; $14 rental. McGraw-Hill Films.

ENERGY: CRITICAL CHOICES AHEAD – Discussion of energy supply and demand through the year 2000 and how we can best meet the challenge of developing new energy resources. 16 mm, color, 18 mins. Free loan from the U.S. Department of Commerce.

ENERGY: A MATTER OF CHOICES – An overview of various energy sources, consumption patterns and attitudes. For junior high to college. 16 mm, color, 22 mins. $240 purchase; $17/day rental. Encyclopedia Britannica Educational Company.

ENERGY AND ECONOMICS – Explores the relationship between economic stability and energy production. Four filmstrips are included, "How Much for a Gallon"; "Buying a Future"; "Rivalry and Regulation"; and "Resources and Nations". Produced in 1976 for junior high to adult. Filmstrip, color, 60 frames. $68 for set with cassettes; $56 for set with records. BFA Educational Media.

ENERGY: THE DILEMMA – Energy growth patterns, past, present and future, are reviewed. The film also probes economic and social questions involved in energy production and distribution. For junior high to college. 16 mm, color, 20 mins. Available in Spanish and with study guide. $280 purchase; $21 rental. Churchill Films.

ENERGY TO BURN – Introduction to the policy issues generated by the energy shortage; designed to stimulate classroom discussion. For intermediate to high school. 16 mm, color, 20 mins. $2[illegible]0 purchase; $20 rental. BFA Educational Media.

ENERGY: THE ULTIMATE PROBLEM – Focuses on the social implications of the energy shortage and on the government's role in encouraging conservation and developing new sources of energy. For junior and senior high. 16 mm, color, 10 mins. $145 purchase. Coronet Instructional Media.

ENERGY SOURCES: A MATTER OF POLICY – Traces the historical use of energy in the United States and discusses the public policies necessary to curb energy use and develop alternative energy sources. For high school to adult. 16 mm, video, filmstrip, color, 29 mins. $350 film purchase; $230 videocassette, filmstrip and audiocassette purchase; $11-$30 rental. University of Colorado Educational Media Center.

NATURAL GAS – Investigative report about natural gas companies. Derived from the public TV MacNeil-Lehrer Report. Videocassette or reel to reel, color, 30 mins. $245 purchase. WNET/13 Media Services.

OFFSHORE DRILLING – Is the present Federal system of awarding offshore drilling leases in the public's best interest? From the public TV MacNeil-Lehrer Report. Videocassette or reel to reel, color, 30 mins. $245 purchase. WNET/13 Media Services.

OIL IN THE MIDDLE EAST – How the United States tries to reconcile conflicting interests in the Middle East, i.e. the need for Arab oil, the desire to support Israel and the fear of conflict with Russia. The oil economies of the Arab states is also discussed. For junior high to adult. 16 mm, color, 20 mins. $275 purchase; $20 rental. Films, Inc.

A QUESTION OF VALUES – The intense public debate in a small town over the potential benefits and dangers involved in building an oil refinery. 16 mm, color, 28 mins. $350 purchase; $35 rental. New Film Co. Free loan from RHR Filmedia, Inc.

IV. THE ENERGY CRISIS

THE OTHER WAY – Economist E. F. Shumacher suggests that the solution to the energy crisis may lie in new life styles rather than increased production of fossil fuels. He offers ideas for a transition away from current energy use patterns and for making new personal choices necessitated by the energy crisis. Produced in 1975 for high school to adult. 16 mm, color, 26 mins. $335 purchase; $235 videocassette purchase; $35 rental. Time-Life Multimedia.

ENERGY CRISIS RESOURCE KIT – Slide show discussion of energy, where it comes from, how we use it and why we are running dangerously low on fuel supplies. This TV news special format presents opposing opinions of scientists, industrialists and diplomats. Two part set, color, sound, 160 slides in two carousels. With teacher's guide. $99 for set purchase with records or cassettes. Educational Design, Inc.

THE ENERGY GAME – Produced by a public television station, this film explains the causes of the energy crisis and offers various solutions and alternatives to traditional patterns of energy use. For high school to adult. 58 mins. $50 rental. WNET/13 Media Services.

ENERGY: A MATTER OF CHOICES – This film describes the effects of the energy crisis on various aspects of our electricity dependent society; it also discusses the social values and technological forces that have helped to create this problem and suggests the changes necessary to ensure future comfort. For junior high to adult. 16 mm, color, 22 mins. $290 purchase; $17 rental. Encyclopedia Britannica Educational Company.

THE FUEL CRISIS and THE POWER AND THE ENERGY CRISIS – Two filmstrips explaining the background and consequences of the energy shortage. They also discuss the relationship between power and energy. For junior high to senior high. 35 mm, filmstrip, color, 20 mins. With records and study guide. $50 set purchase. Produced in conjunction with Associated Press by Prentice-Hall Company.

THE DILEMMA – The growth of energy demand past, present and future have led to our current energy crunch. For junior high to adult. 16 mm, color, 19 mins. With study guide. $280 purchase; $21 rental for three days. Churchill Films.

LIVING WITH ENERGY – A film about the causes and factors involved in the energy shortage and how the various sectors of society can adjust to the implications of diminishing energy resources. 16 mm, color, 26 mins. Produced by Standard Oil of America. Loaned free of charge from Modern Talking Picture Service, Inc.

NATURAL GAS SHORTAGE – Questions bearing upon the reality of the gas shortage are answered and the implications of President Carter's energy plan are discussed. This is an episode from the public TV MacNeil-Lehrer series. Videocassette, reel to reel, color, 30 mins. $245 purchase. WNET/13 Media Services.

THE HIDDEN ENERGY CRISIS – Explains the use of petrochemicals in every day life (in clothing, shelter and food) and discusses how the energy shortage may affect the supply of these products. 16 mm, 10 mins. Produced by Union Carbide Company. Loaned free of charge from RHR Filmedia, Inc.

WHEN THE CIRCUIT BREAKS – Examines traditional sources and uses of energy and present day shortages. There is also a discussion of the need to conserve and develop alternative forms of energy. 16 mm, color, 27½ mins. Available in Spanish. Loaned free of charge from Modern Talking Picture Service, Inc. $125 purchase from National Audiovisual Center, General Services Administration.

V. ENERGY CONSERVATION

STAR WARS ENERGY SERIES – A series of three 30-second spots for TV in which the character from STAR WARS called R2D2 demonstrates ways to save energy and money. Titles are "Dimmit," "Dirty Coils" and "Little Drip" and the theme of each spot is "It doesn't take much energy to save energy." Color. Available to state energy offices and non-profit organizations. New York State Alliance to Save Energy.

ENERGY CONSERVATION – An episode of the MacNeil-Lehrer public TV series which questions whether the U.S. is taking energy conservation seriously. Videocassette, reel to reel, color, 30 mins. WNET/13 Media Services.

A THOUSAND SUNS – Introduces the concept of "energy ethic". According to the filmmakers, the present ethic in our society is one of waste and should be replaced by stronger attitudes of conservation. The film also introduces the viewer to the problems of energy shortage and environmental impact created by exploration for energy. Produced in 1974 for all ages. 16 mm, color, 9 mins. Arthur C. Barr Films.

ENERGY: LESS IS MORE – This film explains why it is crucial to stem the growth of energy consumption and offers practical suggestions for energy conservation. Produced in 1974 for junior high to adult. 16 mm, color, 18 mins. With study guide. $250 purchase; $21 rental for three days. Churchill Films.

ENERGY: THE ULTIMATE PROBLEM – The perspectives of a scientist, a utility manager, an environmentalist and others on the need for and possibilities of reducing energy consumption. For high school. 16 mm, color, 10 mins. $155 purchase. Coronet Instructional Media.

URBAN ENERGY CONSERVATION – Discussion of grass roots organizations' involvement in the energy debate. David Norris of the Energy Task Force relates energy issues to low-income housing in New York City; Richard Berman of the New York State Alliance to Save Energy cites efforts to popularize the energy debate (including a mini TV series and a 10-point energy program for New York City). ¾-inch videocassette; 58 minutes; color. Loan for one-time viewing at no cost; videocassette duplicates $65. Automation House (Channel L).

WHAT IS CONSERVATION – Part Two of the Energy Ant series developed by the Federal Government; the film uses animation to explain conservation to elementary school pupils. 35 mm, color, 6 mins. $12.50 purchase. National Audiovisual Center, General Services Administration. Free loan from Modern Talking Picture Service, Inc.

A CAP IN THE GAP – This film offers detailed, step by step instruction about home weatherization. It is intended for individual homeowners and is suitable for use at civic group meetings or workshops. May be used in conjunction with the Department of Energy's books, "The Home Energy Saver's Workbook" and "In the Bank Or Up the Chimney." 16 mm, color, 25 mins.; ¾ inch videocassette. Limited loan from U.S. Department of Energy, ERDA Film Library.

BILL LOOSELY'S HEAT PUMP – Mr. Loosely uses a heat pump to collect warmth from the ground outside his house and to save money in home heating. The principle of the heat pump, using copper tubing and freon gas, is clearly explained with animated diagrams. 16 mm, color, 10 mins. $160 purchase; $20 rental. National Film Board of Canada.

CONSERVING ENERGY THROUGH APPLIANCE LABELING – Explains the purpose and operation of the national labeling program and describes the program's applicability to air conditioners. Suitable for use by home economics teachers and in adult education. 56 slides, audiocassette, 7 mins. Script and conservation guide included. $12 purchase. U.S. Department of Energy, ERDA Film Library.

DOUBLE UP AMERICA – A film about the energy conservation benefits of car pooling. Produced by the U.S. Department of Transportation. 16 mm, color, 14½ min. Free loan by RHR Filmedia, Inc.

EASY ENERGY – This film is useful for stimulating discussion about the need and methods for energy conservation. 16 mm, color, 6 mins. With study guide and still photographs. $40 purchase. American Gas Association.

AN ELECTRIC TALKING PICTURE – An animated film about using electricity and other forms of energy while keeping conservation in mind. Part of the Con Ed program on energy conservation (with comic book scripts) for youth and adult groups. 16 mm, color, 20 mins. Consolidated Edison Company of New York.

ENERGY MANAGEMENT – Explains the delicate relationship between energy production and environmental protection and advocates in favor of energy conservation. This film also suggests guidelines and practical tips for conservation in the home. Produced in 1975 for adults. 16 mm, color, 15 mins. $275 purchase. W. J. Klein Company, Ltd.

THE ENERGY DILEMMA – Public consumption of power increases not only as we use more appliances and drive more cars, but also as we produce more consumer goods. This film suggests that although alternative energy forms are being studied, the most sensible way to cope with the energy problem is through conservation. Produced in 1973 by the Canadian Broadcasting Company for junior to high school. 16 mm, color, 18 mins. $250 purchase; $20 rental. Films, Inc.

ENERGY CONSERVATION IN INSTITUTIONAL FOOD SERVICE – Slide presentation demonstrates the tremendous use of energy in food service industries and suggests methods for conservation. Con Ed will arrange special in-service programs for professional employees. Consolidated Edison Company of New York.

THE ENERGY GAME – Designed to promote the use of residential insulation. May be used with the Department of Energy publication, "Home Energy Saver's Workbook." For adult seminars. 16 mm, color, 15 mins., ¾-inch videocassette. $50 purchase. Eagle Film Labs. Limited loan from U.S. Department of Energy, ERDA Film Library.

THE ENERGY SQUEEZE – Explains procedures for energy conservation in commercial buildings. 41 slides, color. With script. $40 purchase. American Gas Association.

HOW INSULATION CAN HELP SAVE MONEY – Slide show presentation explaining costs and benefits of home insulation and providing instructions for individual homeowners. Provided free of charge to adult groups. Consolidated Edison Company of New York.

INDUSTRIAL INSULATION – This is a technically oriented film intended for industrial managers and for training industrial employees. The presentation covers the material included in the Department of Energy publication entitled, "ETI-Economic Thickness for Industrial Insulation." 16 mm, color, 25 mins., ¾ inch videocassette. $140 purchase. Monumental Films, Inc.

IT'S DOLLARS AND SENSE – A film for hospital and other health facility administrators which contains instructions for reducing energy use in hospitals and other health facilities without affecting the quality of patient care. Emphasis is on loadshedding, heating and ventilation practices and innovative equipment. 16 mm, color, 28 mins. $127 purchase. National Audiovisual Center, General Services Administration.

KING ZOB AND THE ENERGY CRUNCH – The humorous story of a king who learned how to keep his palace comfortable in summer and winter while conserving energy. Covers operation and maintenance of heating and cooling equipment, weatherproofing and other conservation ideas. For junior high to adult. 16 mm, color, 19 mins. Produced by the Air Conditioning and Refrigeration Institute. Loaned free of charge by Association Films, Inc.

MEECOLOGY – Young children from urban and rural areas are shown ways to help preserve nature, save energy and avoid waste. The film's title is derived from the words "me" and "ecology". Produced by McDonald's Restaurants. 16 mm, color, 26 mins. Free loan to elementary schools only. Modern Talking Pictures.

MONEY TO BURN – Practical tips emerge from an attic to basement energy "audit" by a couple looking for ways to save energy and money in their home. 16 mm, color, 12 mins. Free loan from Brooklyn Union Gas Company.

SAVING ENERGY AT HOME – Pinpoints some major areas of energy waste around the house and provides specific tips on how to reduce energy consumption and energy bills. The film contains straightforward facts and suggestions. For junior high to adult. 16 mm, color, 13 mins. $180 purchase; $17 rental. Ramsgate Films. National Educational Film Festival award in 1975.

SAVING ENERGY ON THE ROAD – Instructional film which demonstrates how to select, drive and maintain a car for maximum fuel efficiency and economy. For high school to adult. 16 mm, color, 16 mins. $225 purchase; $20 rental. Ramsgate Films.

WASTE HEAT MANAGEMENT: ENERGY UTILIZATION FOR PROFIT – Designed for use by industrial managers, this film examines the basic concept of waste heat management and waste heat recovery systems. A companion handbook entitled, "Waste Heat Management Guidebook" is available from the U.S. Government Printing Office. 16 mm, color, 25 mins., ¾ inch videocassette. $140 purchase. Monumental Films, Inc. Limited loan from U.S. Department of Energy, ERDA Film Library.

WEALTH OUT OF WASTE – Waste management and recycling are employed to reclaim energy resources from municipal trash. The processes and economic feasibility are described. 16 mm, color, 27 mins. Free loan from Bureau of Mines Motion Pictures.

WORKING TOGETHER TO CONSERVE ENERGY – The concept of automotive fuel economy runs is explained as a helpful tool for energy conservation. Tips for saving gas and money are also suggested. 16 mm, color, 15 mins. $275 purchase. W. J. Klein Company, Ltd.

VI. ENERGY AND THE ENVIRONMENT

LIMITS TO GROWTH – Documents the work of the Club of Rome concerning the environmental consequences of modern man's dependency on non-renewable resources. For high school to adult. 16 mm, color, 27 mins. $200 purchase from Bruce Bittle Productions. $10 rental for three days from the Lane Council of Governments.

MANKIND AT THE TURNING POINT – Discusses the problems of post industrial society, including resource depletion, pollution and population growth. The film is a continuation of the Club of Rome's most recent reporting. 16 mm, color, 27 mins. $210 purchase; $15 rental. Bruce Bittle Productions.

ALASKAN PIPE DREAM: THE OIL FROM THE NORTH – Explores the ecological risks involved in building the Alaskan pipeline and the threats it has posed to the wild animal and Eskimo populations. Produced in 1974 for high school to adult. 16 mm, video, color, 31 mins. $330 film purchase; $235 video; $35 rental. Time-Life Multimedia.

CONSENSUS OF CONCERN – The focus here is upon the U.S. Geological Survey's inspection of oil and gas operations in the Outer Continental Shelf. The film depicts efforts to protect the environment during oil and gas recovery. 16 mm, color, 28 mins. U.S. Geological Survey.

DEFIANCE – A graphic analysis of the effects of oil pollution. For adults. 16 mm, color, 6 mins. $78 purchase; $5 rental for three days. University of Southern California.

FLAMES AND ENERGY – Explains the environmental impact entailed in burning fuels for energy. For primary to intermediate. 35 mm, color, filmstrip, 38 frames. With study guide. $3.25 purchase. American Gas Association.

ENERGY VS. ECOLOGY: THE GREAT DEBATE – Explains the processes involved in surface mining and reclamation of coal. Controversial issues are discussed within the context of overall energy requirements. 16 mm, color, 27½ mins. Produced by Consolidated Coal Co. Loaned free of charge to schools and organizations by Modern Talking Picture Service, Inc.

ENVIRONMENT – The pros and cons of developing the largest oil well on the continent (in Alaska) or preserving the natural habitats of many wild animals are discussed. Produced in 1973 by NBC Television for junior high to adult. 16 mm, color, 11 mins. $180 purchase; $20 rental. Films, Inc.

OIL! SPOIL! PATTERNS OF POLLUTION! – Discusses the exploitation of natural resources involved in the production of gas, oil and coal and warns of potential damage to the environment. Produced by the Sierra Club. 16 mm, color, 17 mins. $275 purchase; $7.50 per day rental. Association Films, Inc. Winner of the CINE Golden Eagle Award.

OIL ON THE RIVER – The special problem of oil pollution calls for unusual safeguards by the oil industry. 16 mm, color, 23 mins. $200 purchase; $30 weekly rental; $20 daily rental. Pre-purchase preview available. Stuart Finley, Inc.

OIL WELL – A modern day satire about man's self destructive tendencies, symbolized by pollution and increased mechanization. For adults. 16 mm, color, 18 mins. $145 purchase; $6 rental. University of Southern California.

POWER WITHOUT TEARS – The battle over building the world's largest hydroelectric plants in which ecologists and businessmen explain their respective positions. Produced in 1976. 16 mm, color, 18 mins. $275 purchase; $40 rental. Document Associates.

RAVAGED LAND – A documentary about stripmining in Appalachia, emphasizing the social, economic and environmental questions involved in developing coal resources. For high school social studies and ecology classes. 16 mm, color, 14½ mins. $225 purchase. Media Guild Inc.

ENVIRONMENTAL IMPACT STUDY SAFEGUARDS NORTHLANDS – The scientific study of the impact of the natural gas pipeline on the delicately balanced Alaskan and North Canadian environments. For junior to senior high. 16 mm, color, 14½ mins. $225 purchase. Counselor Films, Inc.

HARRY'S DILEMMA (AND OURS) – How the energy crisis developed and how it may be resolved. For youth and adult groups. 16 mm, color, 20 mins. Free loan from Consolidated Edison Company of New York.

HAVE OUR PLANET AND EAT IT TOO? – A film about conflicting theories of land use in which a community fights to prevent phosphate mining. Produced in 1972 for junior high to adult. 16 mm, color, 24 mins. With study guide. $335 purchase; $25 rental for three days. Churchill Films.

MINING AND THE ENVIRONMENT: STRIKING A BALANCE – Discusses how the mineral wealth of the earth can be mined in harmony with environmental considerations and how land can be reclaimed and cultivated after coal has been mined. Videocassette, color, 13 mins. Produced by AMAX Coal Company. Loaned free of charge by Modern Talking Picture Service, Inc.

STRIP MINE TRIP – A helicopter ride across Kentucky plains devastated by strip mining. For junior high to college. 16 mm, color, 11 mins. With study guide. $155 purchase; $15 rental for three days. Churchill Films.

TO BUILD A POLLUTION FREE CAR – The steam "dream machine" is presented as a possible alternative to the combustion engine driven (polluting) car. It is also argued that the steam engine would save valuable gasoline supplies. Produced in 1976. 16 mm, color, 18 mins. $275 purchase; $49 rental. Document Associates.

THE THREE E'S: ENERGY, ECONOMICS AND THE ENVIRONMENT – The interrelationship among energy, economics and the environment, the problems that have arisen because of competing interests and some possible solutions to these problems are reviewed in this film. For 7th grade and higher. Videocassette, color, 28 mins. Produced by Exxon Company. Loaned free of charge by Modern Talking Picture Service, Inc.

THE SECOND GENESIS – The role of clean electric energy in reversing the trend of pollution and environmental damage is discussed. For junior to senior high. 16 mm, color, 16 mins. $200 purchase; $20 rental. Perrenial Education Inc.

ADDITIONAL COPIES

Additional copies of this digest may be obtained by sending $3.00 per copy (check or money order) to:

New York State Alliance to Save Energy

Attention: Energy On Film

36 West 44th Street, Room 709

New York, New York 10036

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